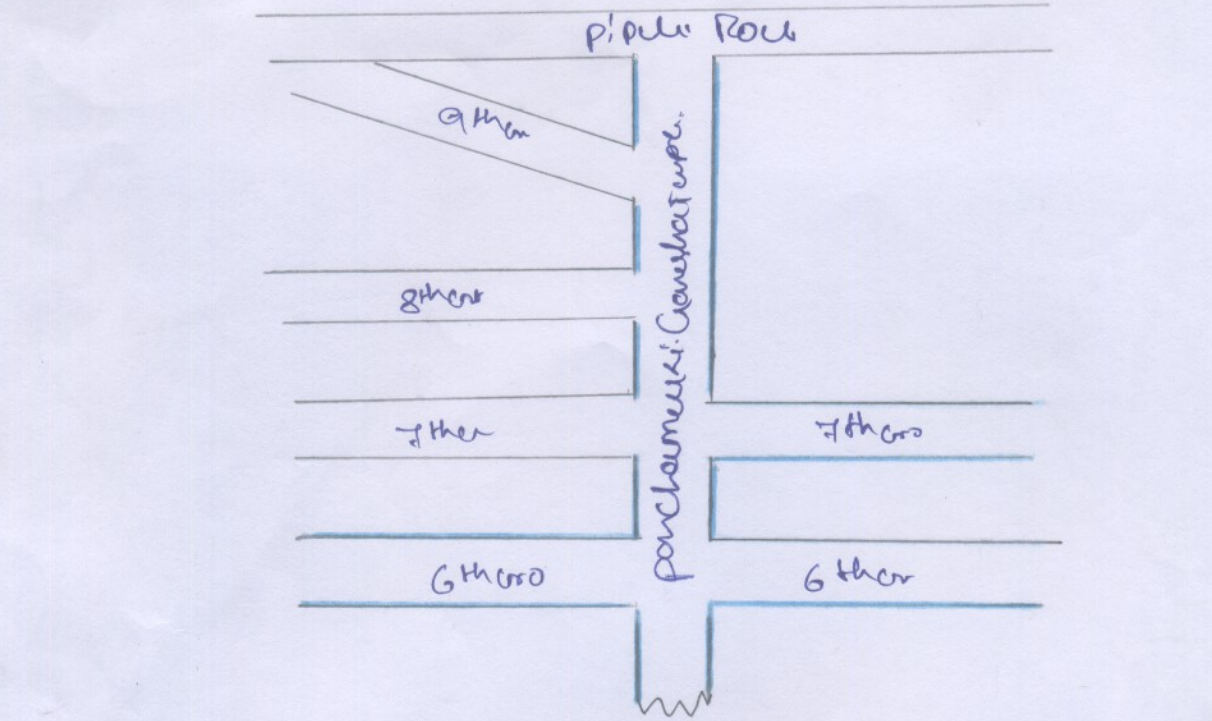
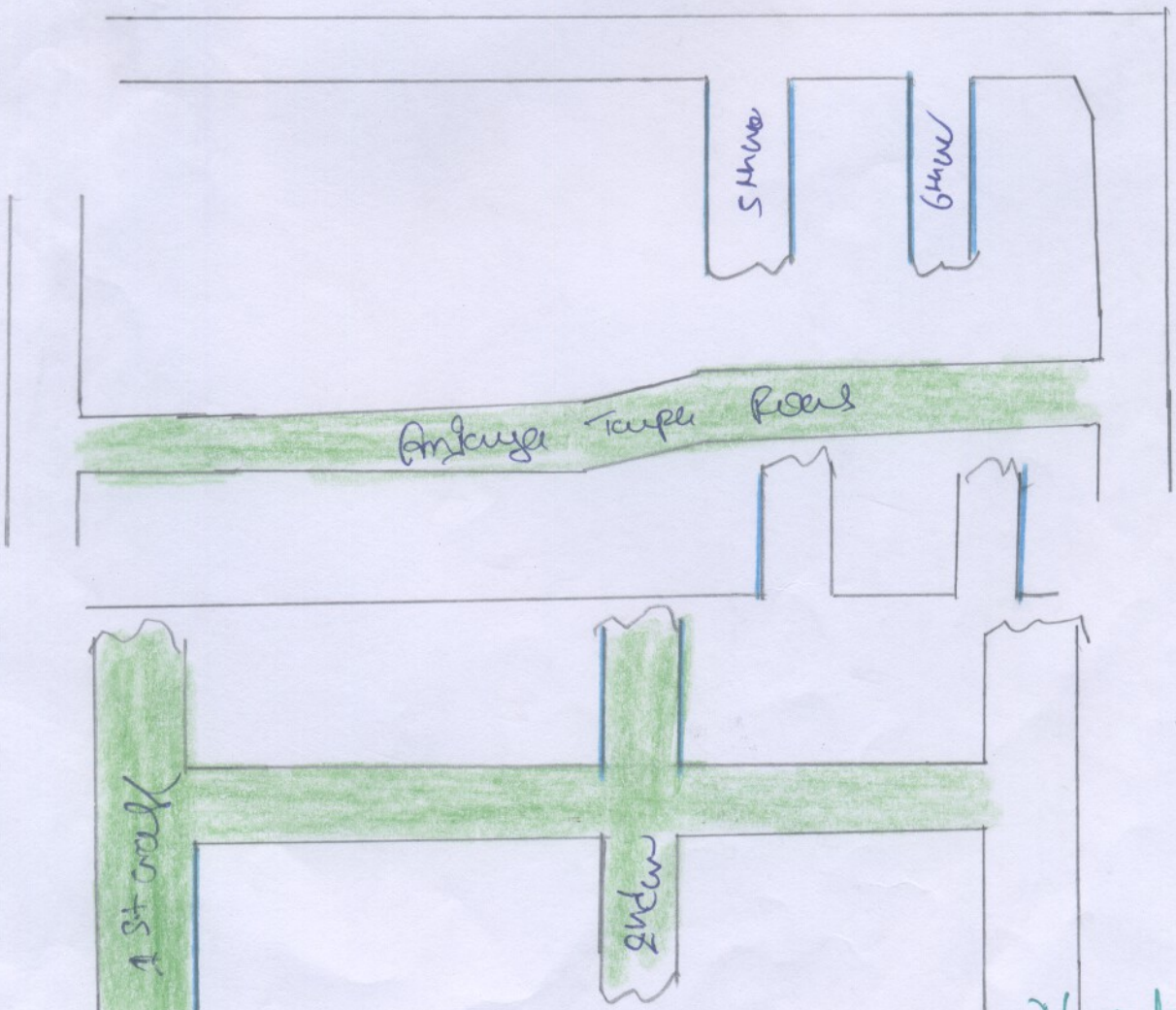
Name of Work : Improvements to CC Roads to Mallasandra, Shet
and other Roads in Ward No. 13 Shettyhalli Sub-Divis





ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

(6)

BRUHAT BANGALORE MAHANAGARA PALIKE

Asst.Executive Engineer, Shettyhalli Sub Division,

Name of Work Improvements to CC Roads to Mallasandra Slum and Other roads in Ward No.13, Shettyhalli Sub Division.

Est Cost:100.00 (Rs in Lakhs)

Name of Work:Improvements to CC Roads to Mallasandra Slum and Other roads in Ward No.13, Shettyhalli Sub Division.

Est .Cost Rs.100.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 141/ Item No. 19.1/ PWD SR 2015-16.								
	6th cross	Cum	2	45.00	0.90	0.90	72.90		
	7th cross		2	65.00	0.90	0.90	105.30		
	5th Cross		2	45.00	0.90	0.90	72.90		
	6th Cross		2	45.00	0.90	0.90	72.90		
	Panchamukhi Ganesha Temple Road		2	132.00	0.90	0.90	213.84		
	Opp To Anjaneya Temple		2	65.00	0.90	0.90	105.30		
	1st Cross Back side Anjaneya temple		1	70.00	0.90	0.90	56.70		
	2nd cross Back side Of Anjaneya Temple		2	55.00	0.90	0.90	89.10		
	Road Cutting For CC road - Mallasandra		1	87.00	0.90	0.30	23.49		
			1	36.00	0.90	0.30	9.72		
			1	27.00	0.90	0.20	4.86		
			1	32.00	0.90	0.30	8.64		
			1	35.00	0.90	0.30	9.45		
			1	131.00	0.90	0.30	35.37		
			1	102.00	0.90	0.30	27.54		
			1	62.00	0.90	0.30	16.74		
			1	73.00	0.90	0.30	19.71		
			1	70.00	0.90	0.30	18.90		
			1	15.00	0.90	0.30	4.05		
							967.41	83.16	**80449.82**
	Basic Rate	77.00							
	Area Weightage @ 8%	6.16							
		83.16							
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2015-16								
	6th cross	Cum	2	45.00	0.90	0.15	12.15		
	7th cross		2	65.00	0.90	0.15	17.55		
	5th Cross		2	45.00	0.90	0.15	12.15		
	6th Cross		2	45.00	0.90	0.15	12.15		
	Panchamukhi Ganesha Temple Road		2	132.00	0.90	0.15	35.64		
	Opp To Anjaneya Temple		2	65.00	0.90	0.15	17.55		
	1st Cross Back side Anjaneya temple		1	70.00	0.90	0.15	9.45		
	2nd cross Back side Of Anjaneya Temple		2	55.00	0.90	0.15	14.85		
	Road Portion		1	87.00	0.80	0.15	10.44		
			1	36.00	0.90	0.15	4.86		

			1	27.00	0.90	0.13	3.16		
			1	32.00	0.90	0.15	4.32		
			1	35.00	0.90	0.15	4.73		
			1	131.00	0.80	0.15	15.72		
			1	102.00	0.90	0.15	13.77		
			1	62.00	0.90	0.15	8.37		
			1	73.00	0.80	0.15	8.76		
			1	70.00	0.90	0.15	9.45		
			1	15.00	0.70	0.11	1.16		
							216.22	5236.92	**1132321.61**
	Basic Rate	4849.00							
	Area Weightage @ 8%	387.92							
	Total	**5236.92**							
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2015-16									
	6th cross	Cum	2x2	45.00	0.15	0.75	20.25		
			1	45.00	0.90	0.15	6.08		
	7th cross		2x2	65.00	0.15	0.75	29.25		
			1	65.00	0.90	0.15	8.78		
	5th cross		2x2	45.00	0.15	0.80	21.60		
			1	45.00	0.90	0.15	6.08		
	6th cross		2x2	45.00	0.15	0.80	21.60		
			1	45.00	0.90	0.15	6.08		
	Panchamukhi Ganesha Temple Road		2x2	132.00	0.15	0.80	63.36		
			1	132.00	0.90	0.15	17.82		
	Opp To Anjaneya Temple		1x2	65.00	0.15	0.80	15.60		
			1	65.00	0.90	0.15	8.78		
	1st Cross Back side Anjaneya temple		1x2	70.00	0.15	0.80	16.80		
			1	70.00	0.90	0.15	9.45		
	2nd cross Back side Of Anjaneya Temple		2x2	55.00	0.15	0.80	26.40		
			1	55.00	0.90	0.15	7.43		
	For Covering		2	45.00	0.90	0.15	12.15		
			2	60.00	0.90	0.15	16.20		
			2	45.00	0.90	0.15	12.15		
			2	45.00	0.90	0.15	12.15		
			2	65.00	0.90	0.15	17.55		
			1	70.00	0.90	0.15	9.45		
			2	55.00	0.90	0.15	14.85		
							379.83		
	Ded for Openings	8.00	20	1.00	0.90	0.15	**21.60**		
					Net Qty		**358.23**	6198.12	**2220353.00**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							

4	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16								
		Qtls		358.23	x	60kgs	21493.80		
							214.94	6851.31	**1472607.00**
	Basic Rate	6463.50							
	Area Weightage @ 6%	387.81							
	Total	**6851.31**							
5	Providing & laying cement concrete using 20mm and down size granite coarse aggregate and fine aggregate of ready mixed concrete RMC M20 for RCC works laid in 15cm thick layers and well compacted vibrating,curing,for raft foundation column footing,main and secondary beams with all lead and lift etc,complete (exclusive of cost of steel and fabrication charges Page No.18/ Item No. 4.48/ PWD SR 2015-16								
	Road Cutting For CC road - Mallasandra								
	Anjaneya Temple Road		1	87.00	5.20	0.13	58.81		
			1	36.00	4.00	0.13	18.72		
			1	27.00	5.00	0.13	17.55		
			1	32.00	9.50	0.13	39.52		
			1	35.00	12.00	0.13	54.60		
	1st cross Mallasandra		1	131.00	4.00	0.13	68.12		
	2nd Cross Mallasandra		1	102.00	5.50	0.13	72.93		
	4th A Cross Mallasandra		1	62.00	4.50	0.13	36.27		
	Opp Anjaneya Temple 1st cross		1	73.00	3.00	0.13	28.47		
	Opp Anjaneya Temple 2st cross		1	70.00	4.00	0.13	36.40		
	Galli Roads		1	15.00	2.00	0.13	3.90		
							435.29	6332.04	**2756286.00**
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	**6332.04**							
6	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2015-16								
	6th cross	Sqm	2x4	45.00		0.90	324.00		
	7th cross		2x4	65.00		0.90	468.00		
	5th Cross		2x4	45.00		0.90	324.00		
	6th Cross		2x4	45.00		0.90	324.00		
	Panchamukhi Ganesha Temple Road		2x4	132.00		0.90	950.40		
	Opp To Anjaneya Temple		2x4	65.00		0.90	468.00		
	1st Cross Back side Anjaneya temple		2x4	70.00		0.90	504.00		
	2nd cross Back side Of Anjaneya Temple		2x4	55.00		0.90	396.00		
			1	45.00		0.60	27.00		
			1	48.00		0.60	28.80		
			1	45.00		0.60	27.00		
			1	45.00		0.60	27.00		
			1	65.00		0.60	39.00		
			1	70.00		0.60	42.00		

			1	55.00		0.60	33.00		
							3982.20	301.04	**1198801.00**
	Basic Rate	284.00							
	Area Weightage @ 6%	17.04							
		301.04							
7	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
		Sqm	2	13.00	0.60	0.90	14.04		
			2	14.00	0.60	0.90	15.12		
			2	15.00	0.60	0.90	16.20		
			2	16.00	0.60	0.90	17.28		
			2	16.00	0.60	0.90	17.28		
			2	15.00	0.60	0.90	16.20		
			2	16.00	0.60	0.90	17.28		
	Missed Slab		2	30.00	0.60	0.90	32.40		
	Approved Rate of Precast slab	1600					**145.80**	1600	**233280.00**
8	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 68.00 (P.133 I.18.57/1) 2015-16								
	Qty Vide Item No=1	Cum					**967.41**		
	Qty Limited to						**967.41**	81.73	**79071.00**
	(For 3 km = 3 x 1.28 x 2.0)	7.68							
	Loading and Unloading Charges	68.00							
		75.68							
	Area Weightage @ 8%	6.05							
	Total	**81.73**							
								Sub Total	9173169.42
9	KRIDL Charges 8+1%								825586.00
10	Miscellaneous and unforseen Charges								1244.58
								Total	10000000.00

(Rupees One Crore Only)

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2015-16
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ.CE/DZ/TS/ /2016-17 ದಿನಾಂಕ : 23/11/2016
ರೂ. 100.00 Lakhs (Rupees One Crore Only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. JC/D/AS/PR/55/16-17 ದಿನಾಂಕ : 23/11/16
ರೂ. 100.00 Lakhs Only (Rupees hundred Lakhs Only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಜಂಟಿ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.